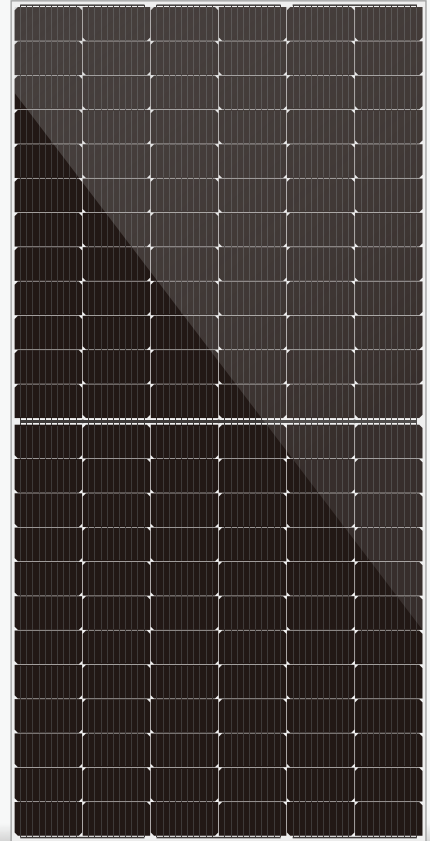


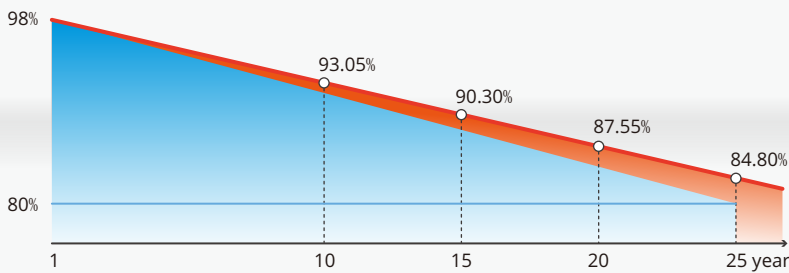
# DHM-72X10-545W DHM-72X10-550W

Half-Cell High Efficiency PV Module



## Quality Guarantee

**25-Year** material & technology warranty  
**25-Year** linear power output warranty



DAH Solar linear power output guarantee  
Standard linear power output guarantee

\*Subject to the terms and conditions contained in the applicable Warranty Statement. Also this 25-year limited product warranty is available only for products installed and operating on residential rooftops in Australia.

**More Power Generation**  
Larger size of light receiving area and higher module conversion efficiency

**10 Busbar Technology**  
Higher power collection density improves power generation

**Stable Generation Performance**  
Guaranteed 0~+5W positive tolerance and slower power attenuation:  
first year ≤2%, 0.55% per year from 2-25

**Higher Power Gains and Lower Losses**  
Excellent low irradiance performance and low shadow loss

## Comprehensive Products and System Certificates



IEC 61215 / IEC 61730 / CE / FIDE / INMETRO

ISO 45001-

2018/International standards for occupational health & safety

ISO 14001-

2015/Standards for environmental management system

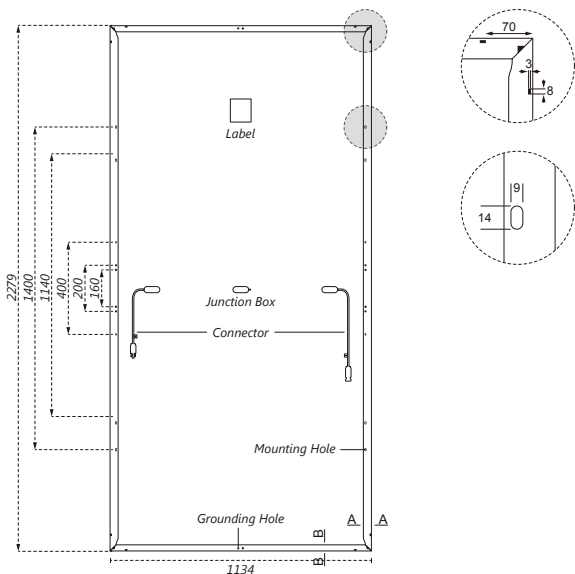
ISO 9001-

2015/Quality management system

**Fire safety class:**  
Class C according to ANSI/UL 1703-2018(as per ANSI/UL 790-2018)

# DHM-72X10-545~550W

## Design



## Mechanical Specification

<b>Cells Type</b> Mono 182×91mm	<b>Dimension (L×W×T)</b> 2279×1134×35mm
<b>Weight</b> 29kg	<b>Packing</b> 31pcs/pallet, 620pcs/40HQ
<b>Output Cable</b> (Including connector)	4.0mm <sup>2</sup> , 300/400mm in length, length can be customized
<b>No. of Cells</b>	144 (6×24)
<b>Glass</b>	3.2mm High Transmission, Antireflection Coating
<b>Junction box</b>	IP68, 3 Bypass Diodes
<b>Connector</b>	PV5e, Changshu Friends Connector Technology Co.,Ltd, Customized Connectors

## Operating Parameters

<b>Maximum system voltage</b>	1500V DC
<b>Operating Temperature</b>	-40 ~ +85°C
<b>Maximum series fuse rating</b>	25A
<b>Snow load, frontside</b>	5400Pa
<b>Wind load, backside</b>	2400Pa
<b>Nominal operating cell temperature</b>	45°C±2°C
<b>Application level</b>	Class A

## STC-Electrical Characteristics

Module Type	DHM-72X10-545W	DHM-72X10-550W
Maximum Power (Pmax/W)	545	550
Open-circuit Voltage (Voc/V)	50.0	50.2
Maximum Power Voltage (Vmp/V)	42.2	42.4
Short-circuit Current (Isc/A)	13.72	13.78
Maximum Power Current (Imp/A)	12.91	12.97
Module Efficiency (%)	21.09	21.30
Temperature Coefficient of Isc		0.05%/°C
Temperature Coefficient of Voc		-0.31%/°C
Temperature Coefficient of Pmax		-0.35%/°C

Standard Test Environment : Irradiance 1000W/m<sup>2</sup>, Cell temperature 25°C, Spectrum AM1.5  
Tolerances : Pmax=±3%, Voc=±3%, Isc=±3%

## NOCT-Electrical Characteristics

Maximum Power (Pmax/W)	405	409
Open-circuit Voltage (Voc/V)	46.9	47.1
Maximum Power Voltage (Vmp/V)	39.6	39.8
Short-circuit Current (Isc/A)	11.09	11.13
Maximum Power Current (Imp/A)	10.24	10.29

Standard Test Environment : Irradiance 800W/m<sup>2</sup>, Ambient temperature 20°C, Spectrum AM1.5, Wind speed 1m/s

## I-V Curve DHM-72X10-550W

